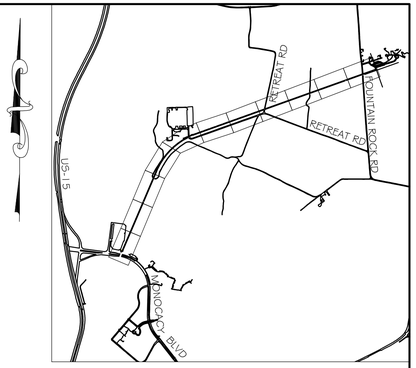
FREDERICK AND PENNSYLVANIA LINE RAILROAD TRAIL

FREDERICK, MARYLAND



VICINITY MAP

SCALE: 1"=2000'

PROJECT NARRATIVE:

1. BACKGROUND:

A. THE CONSULTANT WILL FURNISH DESIGN AND ENGINEERING SERVICES FOR THE DEVELOPMENT OF THE FIRST PHASE OF CONSTRUCTION OF A 10 FOOT WIDE ASPHALT TRAIL PROJECT FROM MONOCACY BOULEVARD IN FREDERICK, TO FOUNTAIN ROCK PARK IN WALKERSVILLE. THE STARTING POINT FOR THE TRAIL IS WHERE THE CITY OF FREDERICK EAST STREET RAILS WITH TRAIL PROJECT ENDS AND ACCESS THE 350 SPACE MDOT SHA PARK AND RIDE LOT WITH BIKE PARKING AND LOCAL MTA COMMUTER BUS TRANSIT. THE TRAIL WILL BE LOCATED WITHIN THE RAILROAD RIGHT-OF-WAY OWNED BY MTA AND LEASED TO WALKERSVILLE SOUTHERN RAILROAD FOR AN EXCURSION TRAIN. THE TRAIL WILL CROSS OVER THE TUSCARORA CREEK AND THE MONOCACY RIVER.

2. STATEMENT OF WORK:

A. OVERVIEW:

- THE PROPOSED ALIGNMENT OF THE PENNSYLVANIA RAILROAD TRAIL (PA RR TRAIL) BEGINS AT THE INTERSECTION WITH MONOCACY BOULEVARD, JUST SOUTH OF THE TUSCARORA CREEK, AND ENDS AT HERITAGE FARM PARK IN WALKERSVILLE. THE PROPOSED ALIGNMENT FOLLOWS ALONG THE EXISTING RAILROAD TRACKS THAT ARE STILL IN USE. THE SHARED-USE TRAIL SHALL BE A MINIMUM WIDTH OF 10 FEET, AND WILL BE COMPROMISED OF ASPHALT UNLESS THE COST, ENVIRONMENTAL SURROUNDINGS, OR LOCAL RESIDENTS DICTATE OTHERWISE.
- II. MULTIPLE CONFLICTS WERE ENCOUNTERED DURING THE INITIAL STUDY OF THIS PROPOSED ALIGNMENT. TWO WATERWAY CROSSING, ONE AT THE MONOCACY RIVER AND A SECOND AT TUSCARORA CREEK, ALONG WITH FLOODPLAIN IMPACTS WILL BE ENCOUNTERED. ADDITIONAL CONFLICTS INCLUDE RAILROAD CROSSING, RIGHT-OF-WAY IMPACTS TO AVOID THE MTA PROPERTY, AND RIGHT-OF-WAY IMPACTS DUE TO RESTRICTED SPACE ALONG THE HCI PROPERTY. MDOT CAN ASSIST WITH MTA COORDINATION TO AVOID PROPERTY IMPACTS.

B. DEVELOPMENT PROGRAM SERVICES: DEVELOPMENT PROGRAM SERVICES SHALL BE PROVIDED FOR THE FOLLOWING:

- PAVED TRAILS. PHASE I DESIGN AND CONSTRUCTION SHALL INCLUDE A MINIMUM 10 FOOT WIDE ASPHALT PAVED TRAIL. THIS TRAIL WILL PARALLEL THE WALKERSVILLE SOUTHERN RAILROAD, LINKING THE MDOT SHA PARK AND RIDE LOT LOCATED AT MONOCACY BOULEVARD, AND FOUNTAIN ROCK PARK. SPECIAL CONSIDERATIONS MUST BE GIVEN TO RIGHT-OF-WAY IMPLICATIONS, STREAM/RIVER CROSSINGS, AND FLOODPLAINS.
- II. WATER CROSSINGS. PHASE I DESIGN AND CONSTRUCTION SHALL INCLUDE WATER CROSSING AS BOTH THE TUSCARORA CREEK AND MONOCACY RIVER. ADDITIONAL CROSSINGS MAY BE REQUIRED WITHIN FLOODPLAIN LOCATIONS. WATER CROSSING DESIGNS SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS OR OTHER AGREED UPON DESIGN SPECIFICATIONS.

SITE MAP

SCALE: 1"=1000'

INDEX OF SHEETS

SHEET 1	COVER SHEET
SHEET 2	SITE PLAN AND PROFILE STA. 0+00 - 6+10
SHEET 3	SITE PLAN AND PROFILE STA. 6+10 - 14+80
SHEET 4	SITE PLAN AND PROFILE STA. 14+80 - 23+57
SHEET 5	SITE PLAN AND PROFILE STA. 23+57 - 32+45
SHEET 6	SITE PLAN AND PROFILE STA. 32+45 - 41+40
SHEET 7	SITE PLAN AND PROFILE STA. 41+40 - 50+10
SHEET 8	SITE PLAN AND PROFILE STA. 50+10 - 58+90
SHEET 9	SITE PLAN AND PROFILE STA. 58+90 - 67+60
SHEET 10	SITE PLAN AND PROFILE STA. 67+60 - 76+40
SHEET 11	SITE PLAN AND PROFILE STA. 76+40 - 85+10
SHEET 12	SITE PLAN AND PROFILE STA. 85+10 - 94+39
SHEET 13	SITE DETAILS

KCI TECHNOLOGIES

ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS

936 RIDGEBROOK ROAD
SPARKS, MARYLAND 21152
TELEPHONE: (410) 316-7800
FAX: (410) 316-7818

REVISIONS

NO.	DATE	DESCRIPTION	BY

DATE 3/23/2021

SCALE

DESIGNED BY JDL

DRAWN BY JDL

COVER SHEET

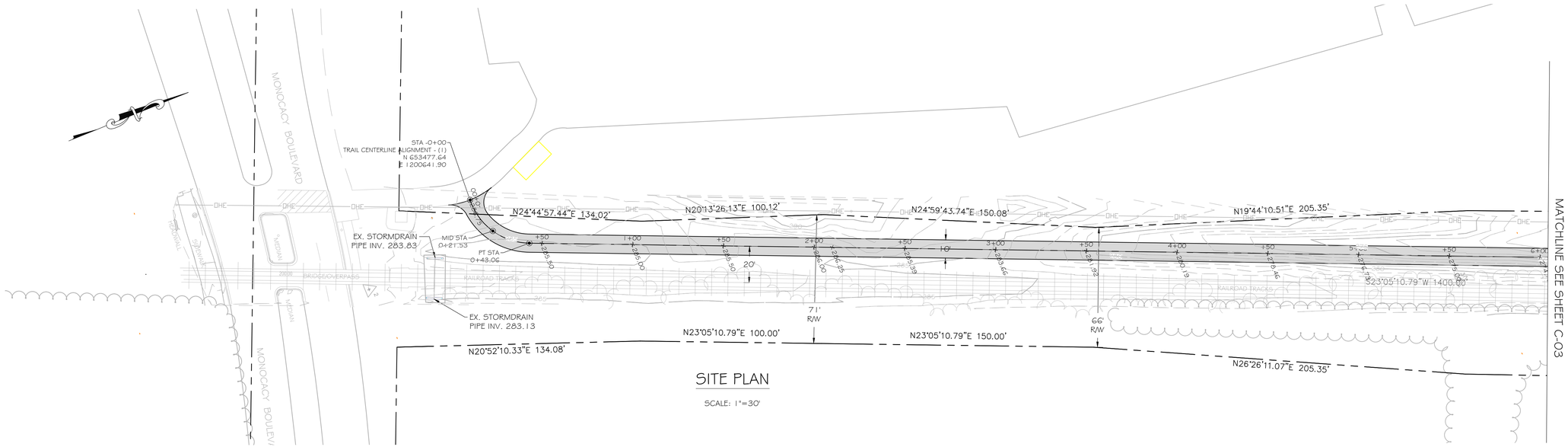
FREDERICK AND PENNSYLVANIA LINE RAILROAD TRAIL

DRAWING NO. C-01

SHEET 1 OF 13

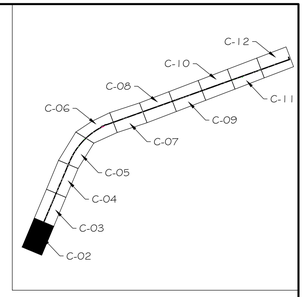
KCI JOB NUMBER 27206468

PLOTTED: $DATE$
BY: $USERNAME$
FILE: $FILE$



SITE PLAN

SCALE: 1"=30'



TRAIL LOCATION MAP

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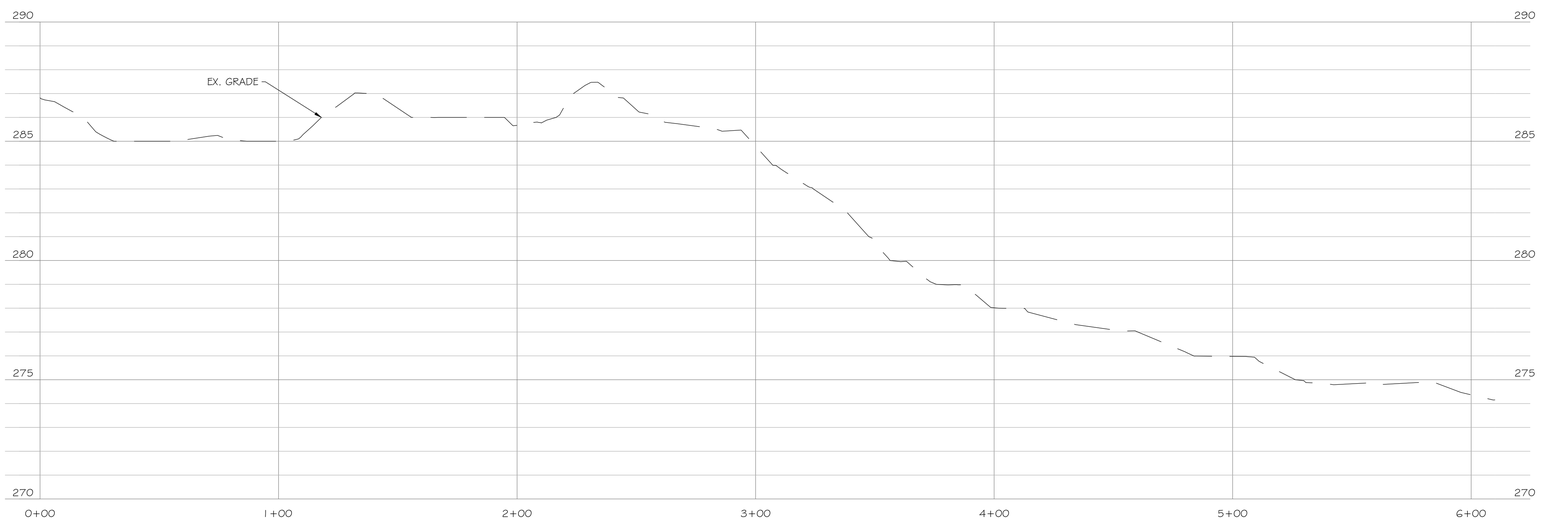

TRAIL PROFILE

H. SCALE: 1"=30'
V. SCALE 1"=3'

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DATE 3/23/2021
SCALE
DESIGNED BY JDL
DRAWN BY JDL

SITE PLAN AND PROFILE
STA. 0+00 - 6+10

FREDERICK AND PENNSYLVANIA
LINE RAILROAD TRAIL

DRAWING NO. C-02
SHEET 2 OF 13
KCI JOB NUMBER 27206468

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BY: $USERNAME$
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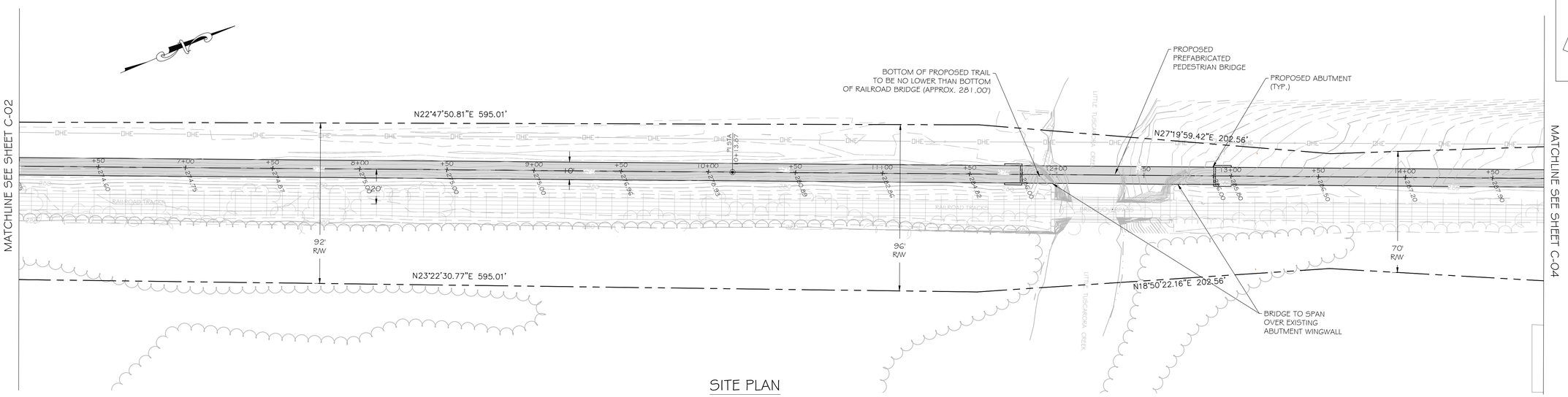

SITE PLAN

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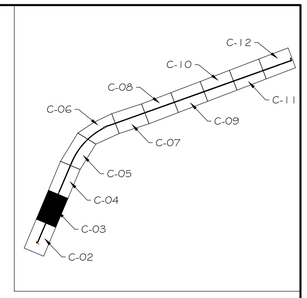

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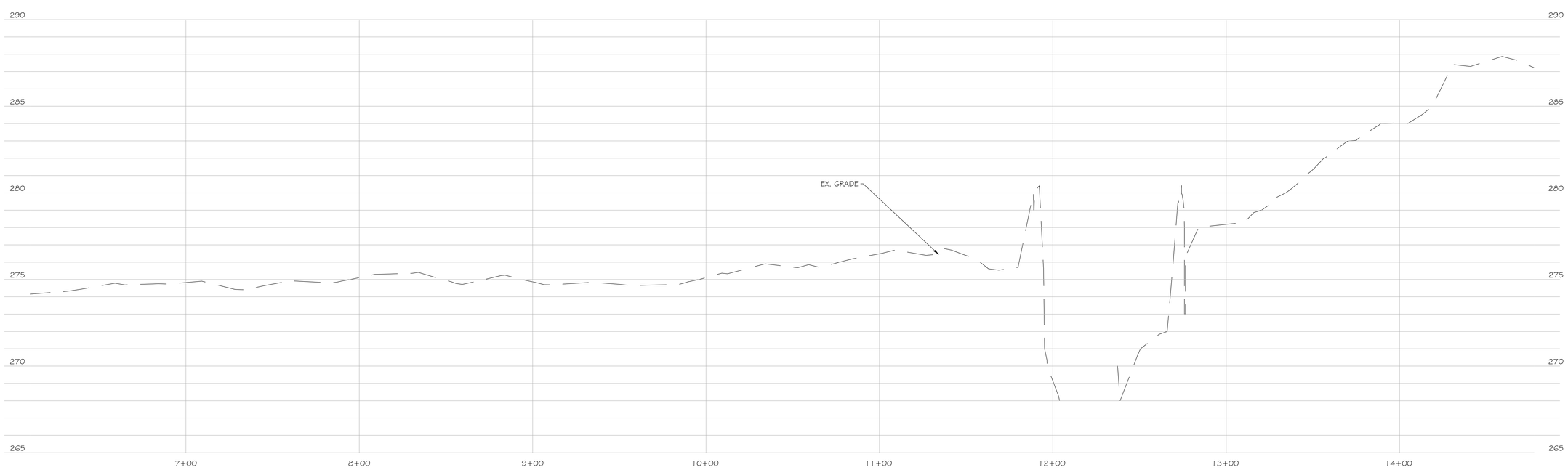

TRAIL PROFILE

H. SCALE: 1"=30'
V. SCALE 1"=3'

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Telephone: (410) 316-7800
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REVISIONS			
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DATE: 3/23/2021
SCALE:
DESIGNED BY: JDL
DRAWN BY: JDL

SITE PLAN AND PROFILE
STA. 6+10 - 14+80

FREDERICK AND PENNSYLVANIA LINE RAILROAD TRAIL

DRAWING NO. C-03

SHEET 3 OF 13

KCI JOB NUMBER 27206468

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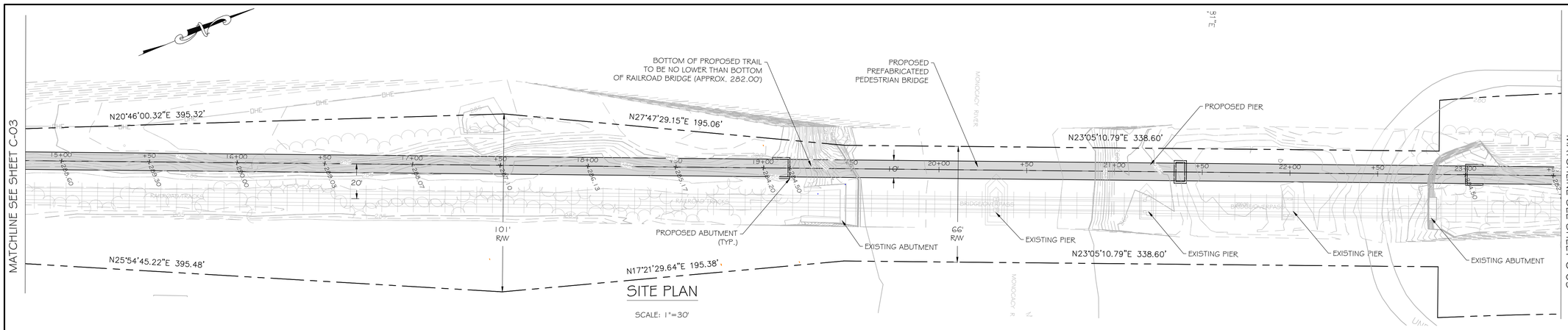

SITE PLAN

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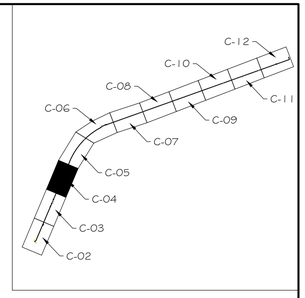

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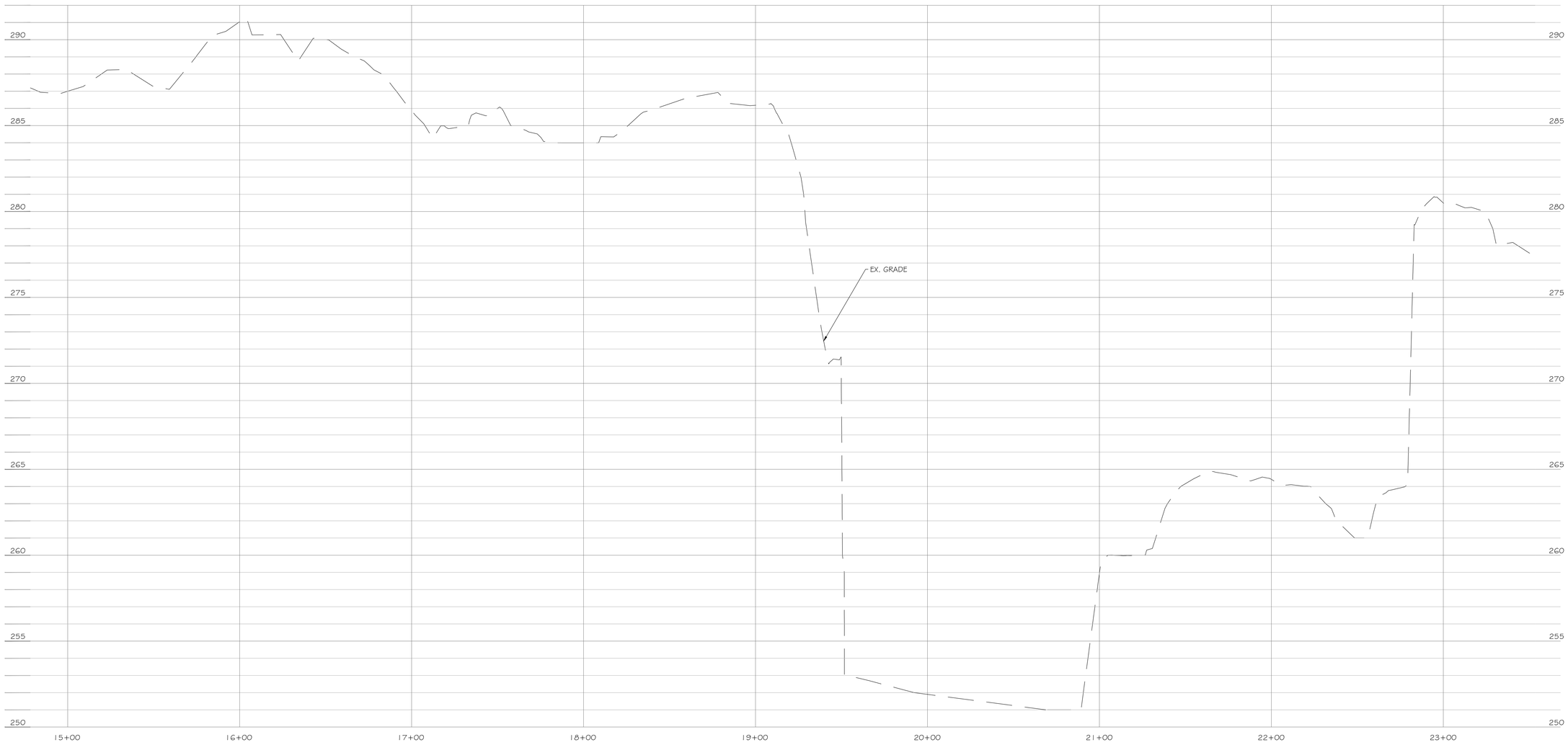

TRAIL PROFILE

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V. SCALE 1"=3'

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SITE PLAN AND PROFILE
STA. 14+80 - 23+57

FREDERICK AND PENNSYLVANIA LINE RAILROAD TRAIL

DRAWING NO. C-04

SHEET 4 OF 13

KCI JOB NUMBER 27206468

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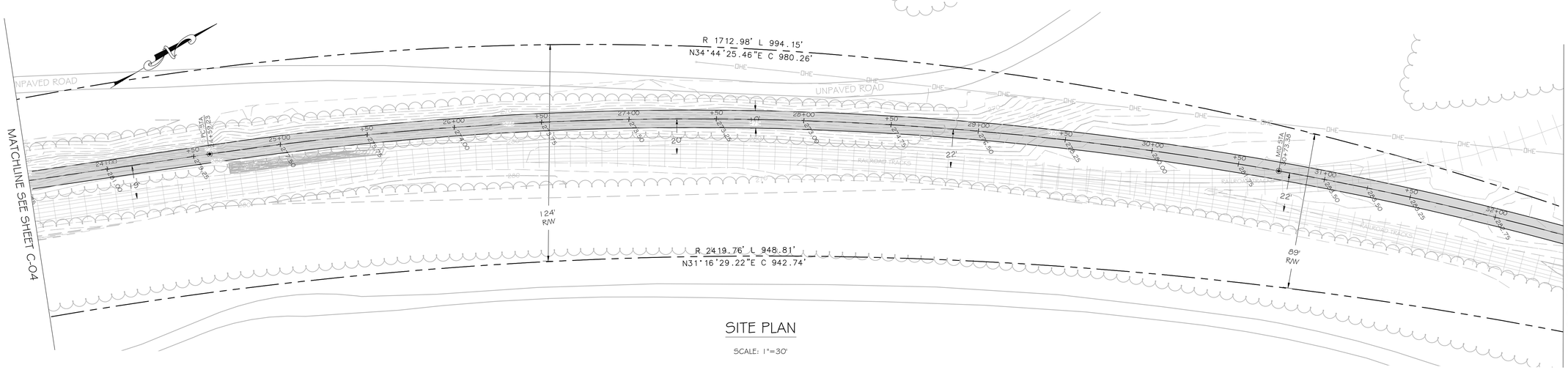

SITE PLAN

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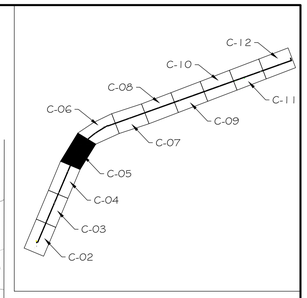

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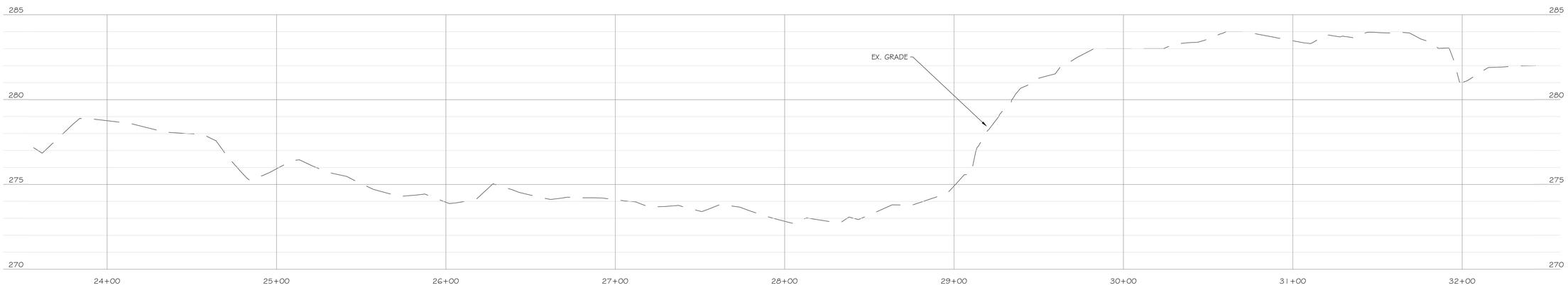

TRAIL PROFILE

H. SCALE: 1"=30'
V. SCALE 1"=3'

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DATE 3/23/2021
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SITE PLAN AND PROFILE
STA. 23+57 - 32+45

FREDERICK AND PENNSYLVANIA LINE RAILROAD TRAIL

DRAWING NO. C-05

SHEET 5 OF 13

KCI JOB NUMBER 27206468

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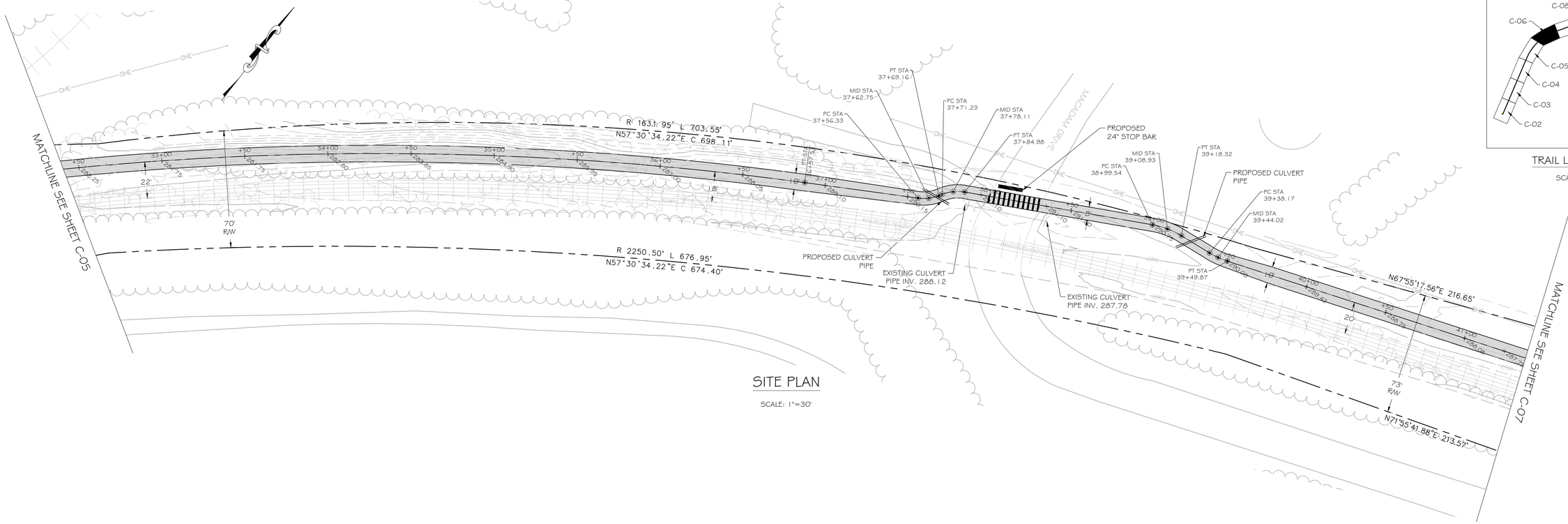
FILE: $FILE$



SITE PLAN

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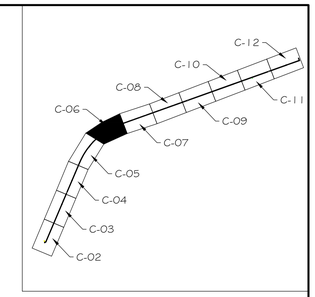

TRAIL LOCATION MAP

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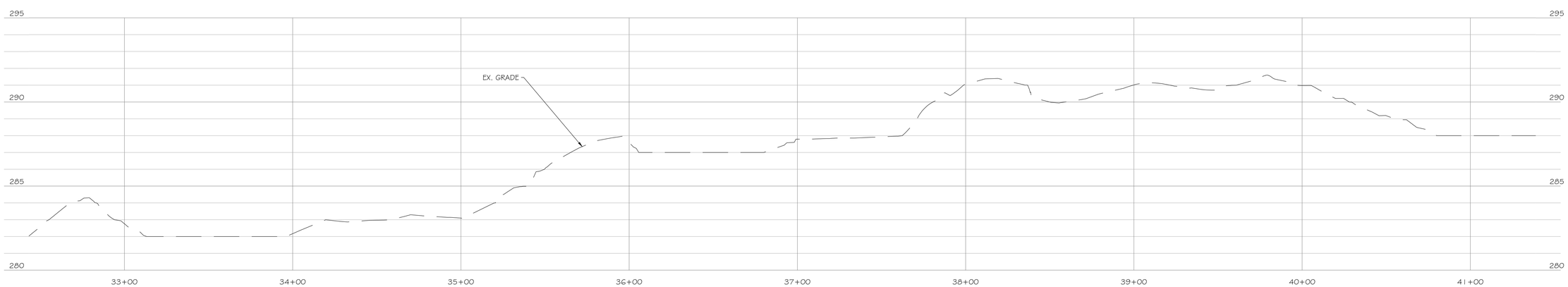

TRAIL PROFILE

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V. SCALE 1"=3'

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SITE PLAN AND PROFILE
STA. 32+45 - 41+40

FREDERICK AND PENNSYLVANIA LINE RAILROAD TRAIL

DRAWING NO. C-06

SHEET 6 OF 13

KCI JOB NUMBER 27206468

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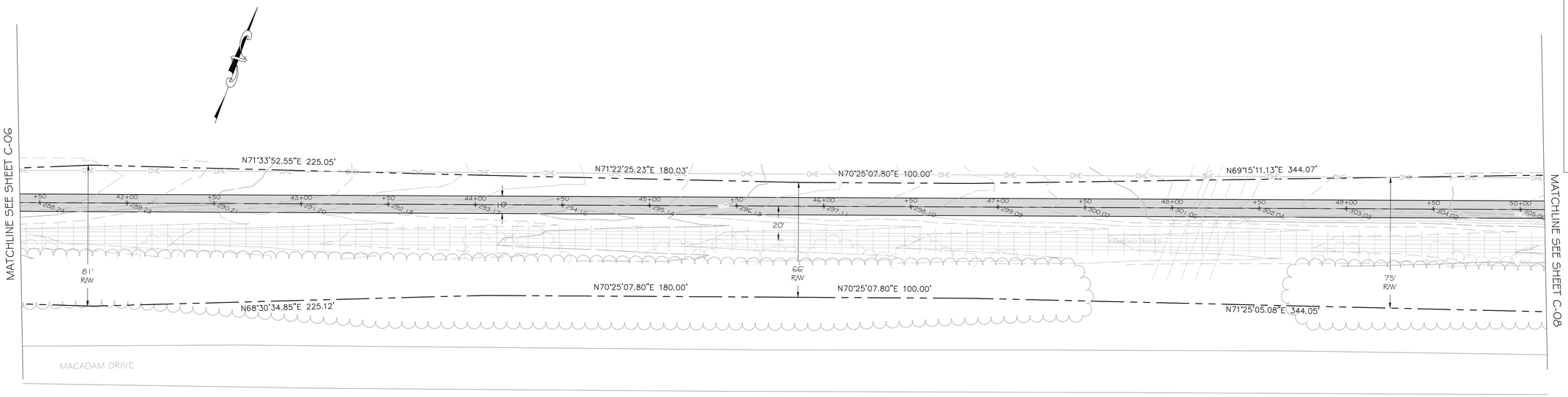

SITE PLAN

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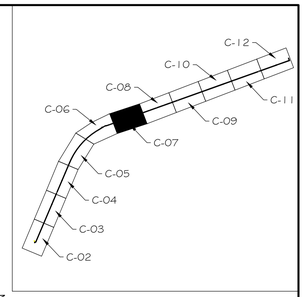

TRAIL LOCATION MAP

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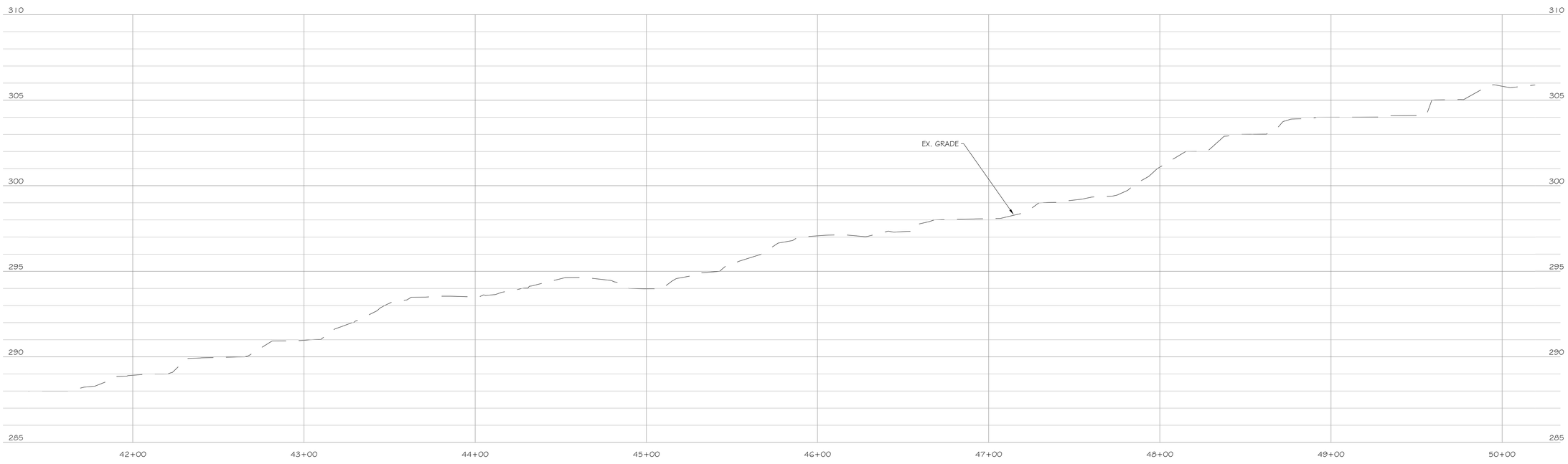

TRAIL PROFILE

H. SCALE: 1"=30'
V. SCALE 1"=3'

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936 RIDGEBROOK ROAD
SPARKS, MARYLAND 21152
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DATE 3/23/2021
SCALE
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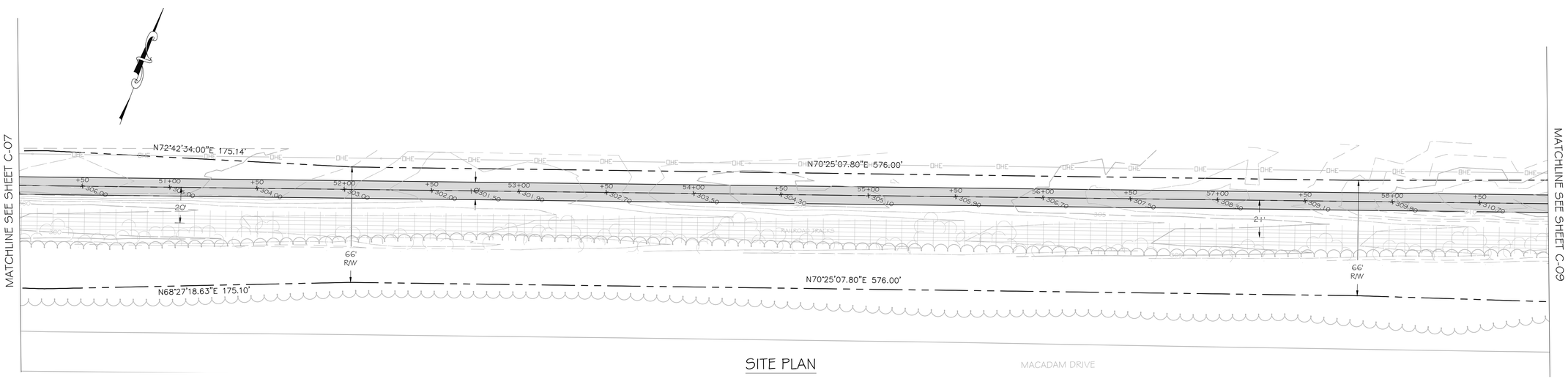
SITE PLAN AND PROFILE
STA. 41+40 - 50+10

FREDERICK AND PENNSYLVANIA
LINE RAILROAD TRAIL

DRAWING NO. C-07
SHEET 7 OF 13
KCI JOB NUMBER 27206468

PLOTTED: $DATE$
BY: $USERNAME$
FILE: $FILE$



SITE PLAN

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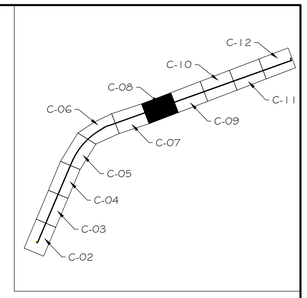

TRAIL LOCATION MAP

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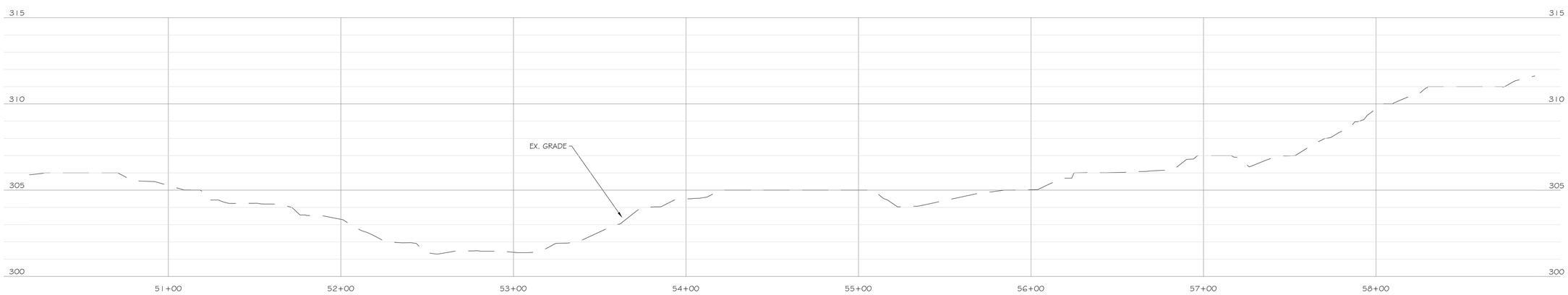

TRAIL PROFILE

H. SCALE: 1"=30'
V. SCALE 1"=3'

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Telephone: (410) 316-7800
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DATE 3/23/2021
SCALE
DESIGNED BY JDL
DRAWN BY JDL

SITE PLAN AND PROFILE
STA. 50+10 - 58+90

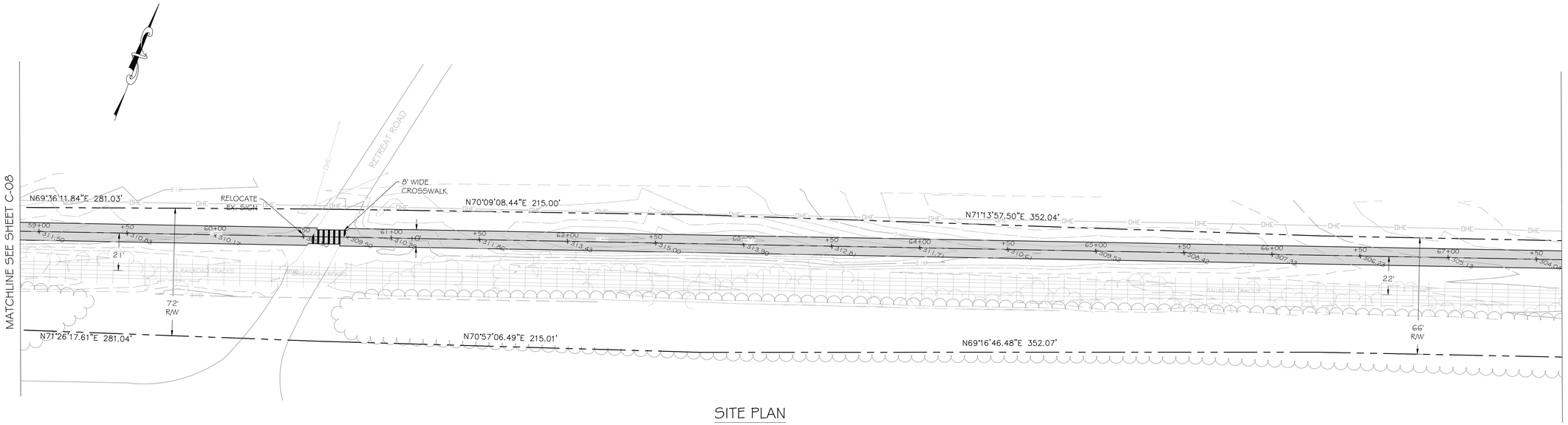
FREDERICK AND PENNSYLVANIA
LINE RAILROAD TRAIL

DRAWING NO. C-08

SHEET 8 OF 13

KCI JOB NUMBER 27206468

PLOTTED: $DATE$
BY: $USERNAME$
FILE: $FILE$



SITE PLAN

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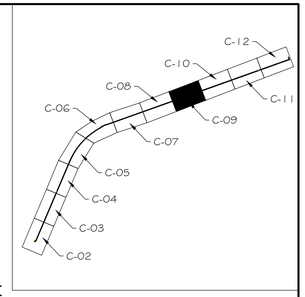

TRAIL LOCATION MAP

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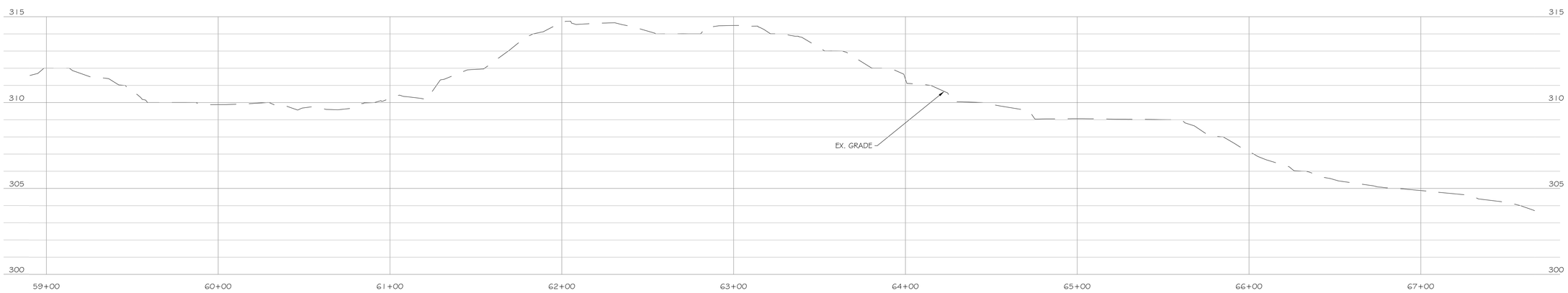

TRAIL PROFILE

H. SCALE: 1"=30'
V. SCALE 1"=3'

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SPARKS, MARYLAND 21152
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REVISIONS			
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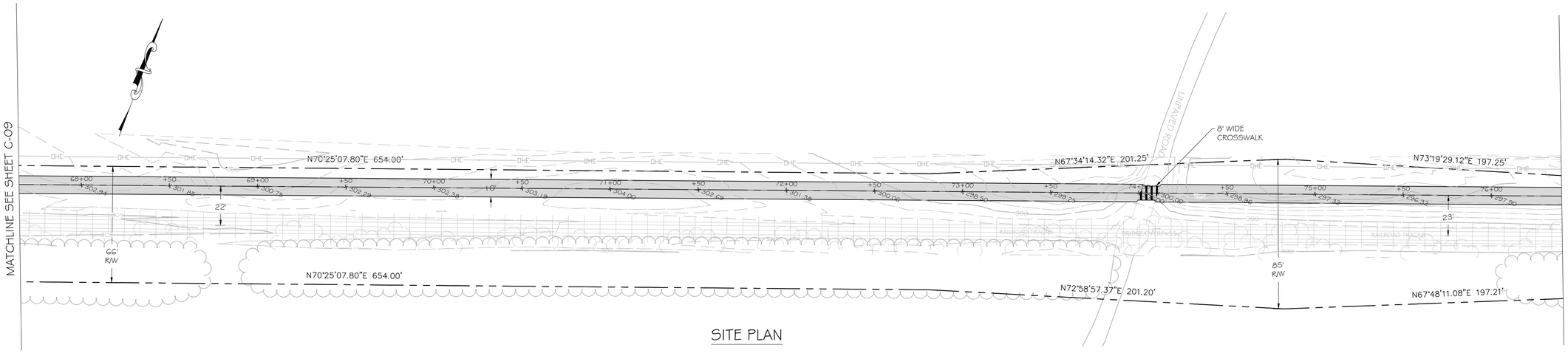
DATE 3/23/2021
SCALE
DESIGNED BY JDL
DRAWN BY JDL

SITE PLAN AND PROFILE
STA. 58+90 - 67+60

FREDERICK AND PENNSYLVANIA LINE RAILROAD TRAIL

DRAWING NO. C-09
SHEET 9 OF 13
KCI JOB NUMBER 27206468

PLOTTED: $DATE$
BY: $USERNAME$
FILE: $FILE$



SITE PLAN

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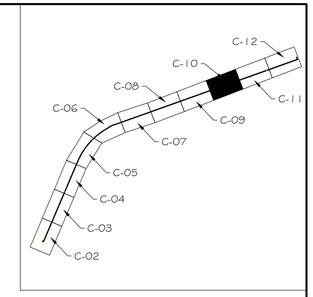

TRAIL LOCATION MAP

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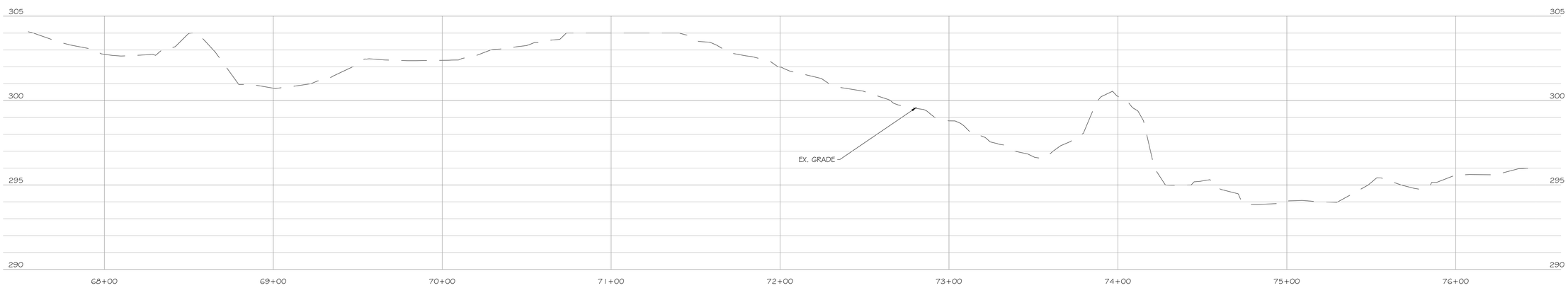

TRAIL PROFILE

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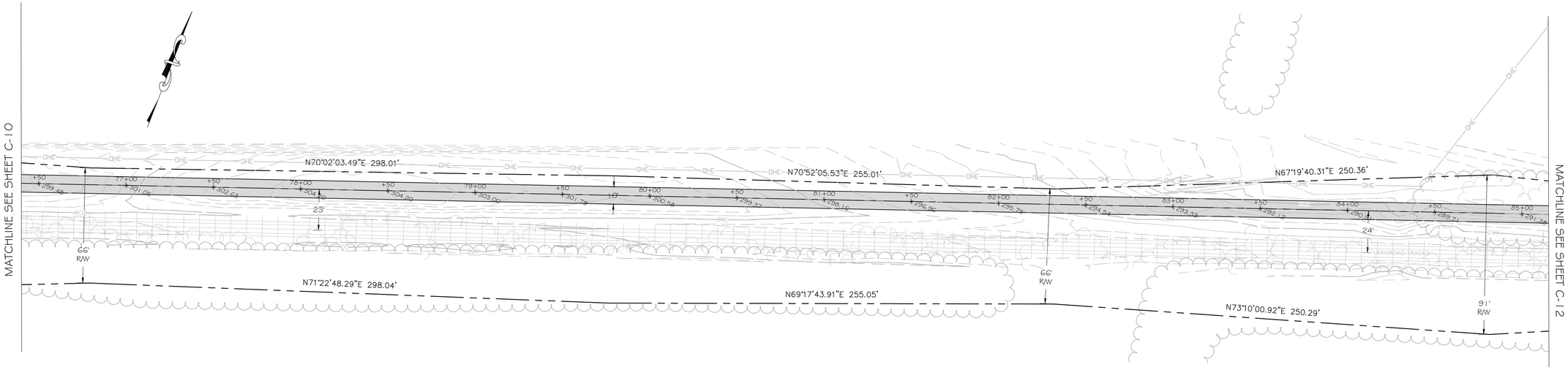
DESIGNED BY JDL
DRAWN BY JDL

SITE PLAN AND PROFILE
STA. 67+60 - 76+40
FREDERICK AND PENNSYLVANIA LINE RAILROAD TRAIL

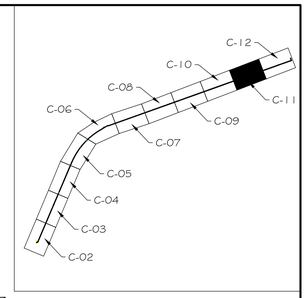
DRAWING NO. C-10
SHEET 10 OF 13
KCI JOB NUMBER 27206468

PLOTTED: $DATE$
BY: $USERNAME$
FILE: $FILE$



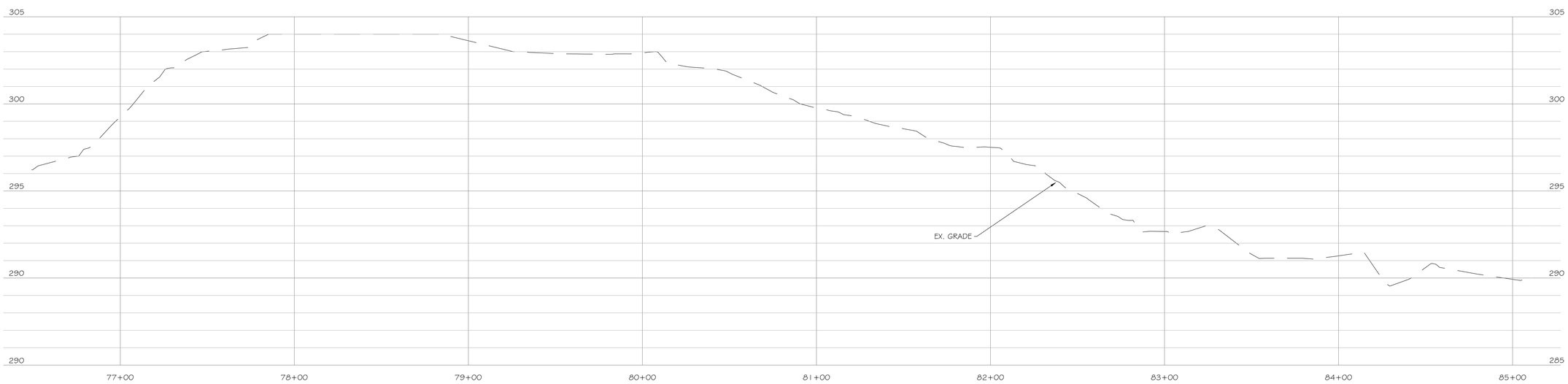
SITE PLAN

SCALE: 1"=30'



TRAIL LOCATION MAP

SCALE: 1"=2000'



TRAIL PROFILE

H. SCALE: 1"=30'
V. SCALE: 1" = 3'

KCI TECHNOLOGIES
ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
936 RIDGEBROOK ROAD
SPARKS, MARYLAND 21152
TELEPHONE: (410) 316-7800
FAX: (410) 316-7818

REVISIONS			
NO.	DATE	DESCRIPTION	BY

DATE: 3/23/2021
SCALE:
DESIGNED BY: JDL
DRAWN BY: JDL

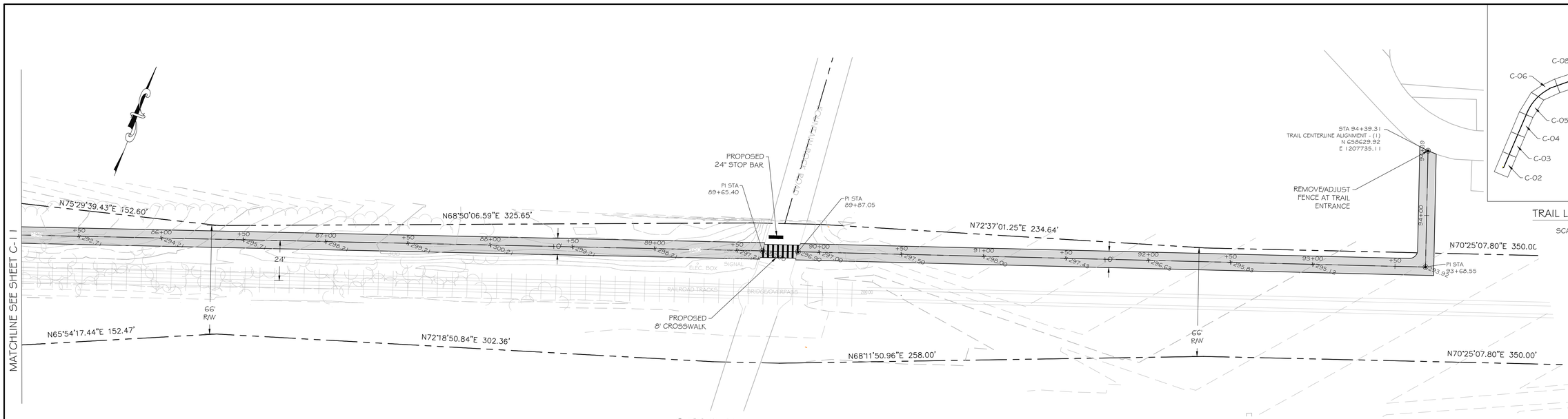
SITE PLAN AND PROFILE
STA. 76+40 - 85+10

FREDERICK AND PENNSYLVANIA LINE RAILROAD TRAIL

DRAWING NO. C-11

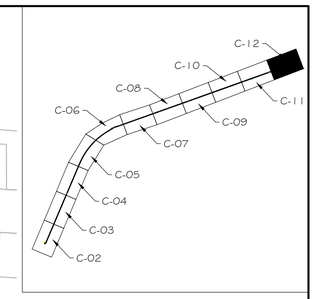
KCI JOB NUMBER 27206468

PLOTTED: $DATE$
BY: $USERNAME$
FILE: $FILE$



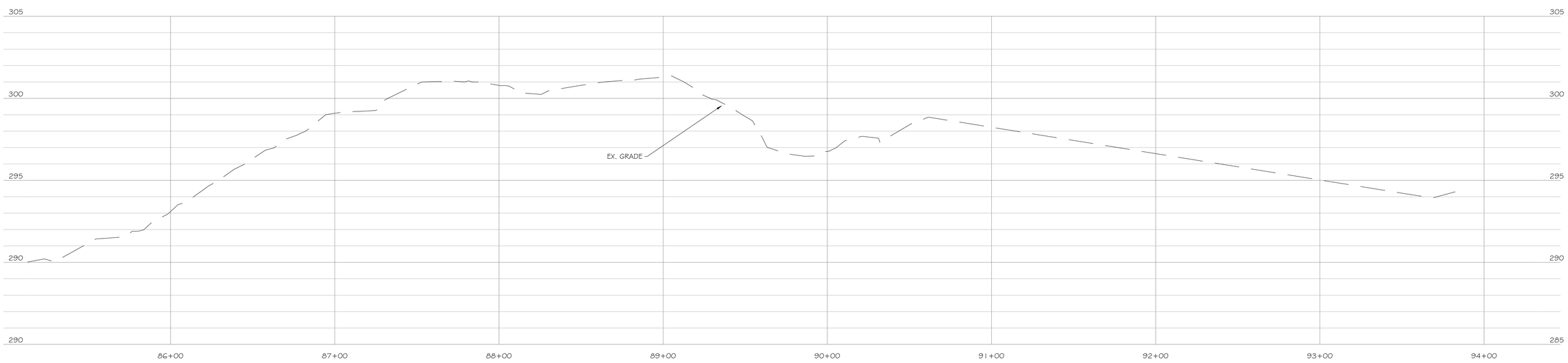
SITE PLAN

SCALE: 1"=30'



TRAIL LOCATION MAP

SCALE: 1"=2000'



TRAIL PROFILE

H. SCALE: 1"=30'
V. SCALE: 1" = 3'

KCI TECHNOLOGIES

Engineers
Planners
Scientists
Construction Managers

936 Ridgebrook Road
Sparks, Maryland 21152
Telephone: (410) 316-7800
Fax: (410) 316-7818

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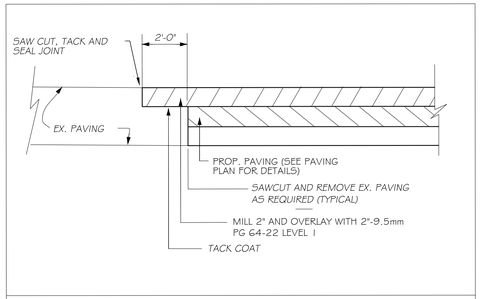
DATE 3/23/2021
SCALE
DESIGNED BY JDL
DRAWN BY JDL

SITE PLAN AND PROFILE
STA. 85+10 - 94+39

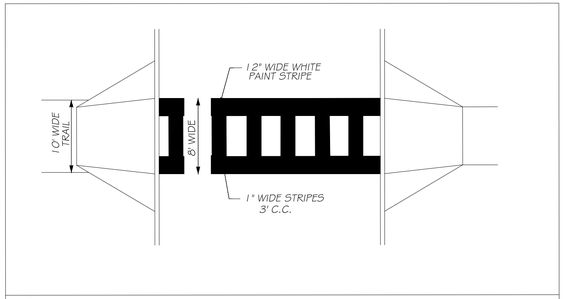
FREDERICK AND PENNSYLVANIA
LINE RAILROAD TRAIL

DRAWING NO. C-12
SHEET 12 OF 13
KCI JOB NUMBER 27206468

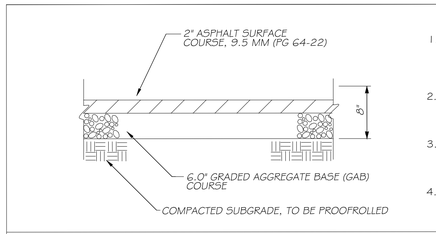
PLOTTED: $DATE$
BY: $USERNAME$
FILE: $FILE$



1 PAVING TIE-IN DETAIL TYPE '1' SCALE: N.T.S.



2 CROSS WALK PAINT STRIPING SCALE: N.T.S.



NOTES:

1. PROOFROLLING TO BE PREFORMED AFTER THE BUILDING (INCLUDING FOOTINGS, SLABS, AND OTHER STRUCTURES) AND EXISTING PAVEMENT ARE REMOVED
2. ANY SIGNIFICANT "PUMPING" AREAS AND POCKETS OF SOFT SOIL SHOULD BE UNDERCUT AND REPLACED WITH SUITABLE CONTROLLED FILL OR GAB
3. TOP 12" OF SUBGRADE SHOULD BE COMPACTED TO 95% AND BELOW 12" COMPACTED TO 90% ACCORDING TO ASTM D-1557
4. IF CLAY IS PRESENT AT FINAL SUBGRADE SHOULD BE UNDERCUT AT LEAST 12" AND REPLACED WITH CONTROLLED FILL OR GAB

3 10' WIDE PEDESTRIAN TRAIL PAVING DETAIL SCALE: N.T.S.

KCI TECHNOLOGIES
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CONSTRUCTION MANAGERS
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SPARKS, MARYLAND 21152
TELEPHONE: (410) 316-7800
FAX: (410) 316-7818

REVISIONS

NO.	DATE	DESCRIPTION	BY

DATE 3/23/2021
SCALE
DESIGNED BY JDL
DRAWN BY JDL

SITE DETAILS

FREDERICK AND PENNSYLVANIA LINE RAILROAD TRAIL

DRAWING NO. C-13
SHEET 13 OF 13
KCI JOB NUMBER 27206468

PLOTTED: $DATE$
BY: $USERNAME$
FILE: $FILE$